

Serial No. 09/578,564

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Art Unit: 2665

In the Specification:

Kindly amend the paragraph beginning at page 9, line 24, and ending at page 10, line 6 as follows:

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B 1  
The resulting queue law equation can be programmed into a processor or programmed in software to be executed or embedded into an electronic chip associated with the node congestion control module for automatic calculation during operation of the node based upon traffic conditions. Traffic conditions include the line speed  $c$  and the round trip time  $R$ , the number of flows,  $n$ , and the throughput or all variables necessary to calculate the throughput. For example, the minimum and maximum throughput per flow  $(\tau_{\min}, \tau_{\max})$ , which for a dial-up modem in a wide area network is 28.8 Kb/s for  $\tau_{\min}$  and 56 Kb/s for  $\tau_{\max}$ , however the speed of  $\tau_{\min}$  and  $\tau_{\max}$  for the connection is implementation dependent. Additional traffic characteristics include the minimum and maximum packet sizes  $(M_{\min}, M_{\max})$ , the minimum and maximum round trip time outside of the queue  $(R_{\min}, R_{\max})$ , the minimum and maximum drop probability outside of the queue  $(P_{\min}, P_{\max})$  and the minimum and maximum TCP receiver window  $((W_{\max})_{\min}, (W_{\max})_{\max})$ .

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